

FORM PTO-1390 (Modified) (REV 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER	
<p align="center">TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</p>				<p align="center">038602-1306</p>	
		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/049,429			
INTERNATIONAL APPLICATION NO. PCT/US00/23744	INTERNATIONAL FILING DATE 08/30/2000	PRIORITY DATE CLAIMED 08/30/1999			
TITLE OF INVENTION CRYSTAL STRUCTURES OF DOMAINS OF RECEPTOR PROTEIN TYROSINE KINASES AND THEIR LIGANDS					
APPLICANT(S) FOR DO/EO/US Joseph SCHLESSINGER, Stevan R. HUBBARD, Moosa MOHAMMADI, Alexander PLOTNIKOV, Zhongtao ZHANG, Xiang-Peng KONG					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<p>1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been transmitted by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input checked="" type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (14 pp.) (35 U.S.C. 371(c)(4)) to replace previously filed declaration on October 16, 2002</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>11. <input type="checkbox"/> Applicant claims small entity status under 37 CFR 1.27 .</p>					
Items 12. to 17. below concern other document(s) or information included:					
<p>12. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>13. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>14. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input checked="" type="checkbox"/> Other items or information: Petition to Correct Inventorship (2 pp.); 3 Statements Supporting Correction of Inventorship (1 p. each); Consent of Assignee for Correction of Inventorship (1 p.); Return Copy of Notification of Defective Response (2 pp.)</p>					

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.50) 10/049,429	INTERNATIONAL APPLICATION NO. PCT/US00/23744	ATTORNEY'S DOCKET NUMBER 038602-1306
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18. <input checked="" type="checkbox"/> The following fees are submitted:	CALCULATIONS	PTO USE ONLY
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Basic National Fee (37 CFR 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO \$900.00		
International preliminary examination fee paid to USPTO (37 CFR 1.482) \$720.00		
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$750.00		
Neither international preliminary examination fee (37 CFR 1.482) nor International search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1,060.00		
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$100.00		

ENTER APPROPRIATE BASIC FEE AMOUNT =		
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Surcharge of \$130.00 for furnishing the oath or declaration later than 20 Months from the earliest claimed priority date (37 CFR 1.492(e))		
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Claims	Number Filed		Number Previously Paid For		Extra Claims		Rate		
Total Claims	38	-	38	=	0	x	\$18.00		
Independent Claims	11	-	11	=	0	x	\$84.00		

Multiple dependent claim(s) (if applicable)		\$280.00
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TOTAL OF ABOVE CALCULATIONS =		\$0.00
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Reduction by 1/2 for filing by small entity, if applicable.		\$0.00
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SUBTOTAL =		\$0.00
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Processing fee of \$130.00 for furnishing English translation later the 20 months from the earliest claimed priority date (37 CFR 1.492(f)).	+	
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TOTAL NATIONAL FEE =		
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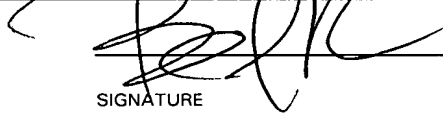
Fee for Petition Under 37 C.F.R. §1.48(a) to Correct Inventorship	+	\$130.00
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TOTAL FEES ENCLOSED =		\$130.00
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		Amount to be: refunded \$
		charged \$

- a. A check in the amount of \$130.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. 19-0741 in the amount of \$ _____ to the above fees. A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

<p>SEND ALL CORRESPONDENCE TO:</p> <p>Foley & Lardner Customer Number: 22428</p>  <p style="font-size: 24pt; font-weight: bold;">22428</p> <p style="font-size: 10pt;">PATENT TRADEMARK OFFICE</p>	 <p>SIGNATURE _____</p> <p>NAME <u>BETH A. BURROUS</u></p> <p>REGISTRATION NUMBER <u>35,087</u></p>
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UNITED STATES PATENT AND TRADEMARK OFFICE

 Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/049,429	Joseph Schlessinger	038602-1306

INTERNATIONAL APPLICATION NO.

PCT/US00/23744

LA. FILING DATE	PRIORITY DATE
08/30/2000	08/30/1999

 22428
 FOLEY AND LARDNER
 SUITE 500
 3000 K STREET NW
 WASHINGTON, DC 20007

CONFIRMATION NO. 3634

371 FORMALITIES LETTER



OC00000009392140

Date Mailed: 01/16/2003

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- U.S. Basic National Fee
- Priority Document
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments

Applicant's response filed 10/16/2002 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 04/16/2002 have not been completed.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - Executed by inventors not listed on International Application.

Applicant is required to complete the response within a time limit of **ONE MONTH** from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 305-3631

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/049,429	PCT/US00/23744	038602-1306

FORM PCT/DO/EO/916 (371 Formalities Notice)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph SCHLESSINGER et al.

Title: CRYSTAL STRUCTURES OF DOMAINS OF RECEPTOR
PROTEIN TYROSINE KINASES AND THEIR LIGANDS

Serial No.: 10/049,429

Filed: February 12, 2002

Examiner: Unassigned

Art Unit: Unassigned

CONSENT OF ASSIGNEE FOR CORRECTION OF INVENTORSHIP

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

NEW YORK UNIVERSITY, hereby consents to the correction of inventorship adding Alexander Plotnikov; Zhongtao Zhang; and Xiang-Peng Kong as inventors of the invention claimed in the above identified patent application.

Executed this 4th day of February, 2002. ³ *ea*

NEW YORK UNIVERSITY:

By: *Abram M. Goldfinger*
(Signature)

Abram M. Goldfinger
(Printed Name)
Industrial Liaison /
Technology Transfer
(Title)

#10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph SCHLESSINGER et al.
Title: CRYSTAL STRUCTURES OF DOMAINS OF RECEPTOR
PROTEIN TYROSINE KINASES AND THEIR LIGANDS
Serial No.: 10/049,429
Filed: February 12, 2002
Examiner: Unassigned
Art Unit: Unassigned

PETITION UNDER 37 C.F.R. § 1.48(a) TO CORRECT INVENTORSHIP

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby petition under 37 C.F.R. 1.48(a) to correct inventorship to name the following additional inventors: **Alexander PLOTNIKOV; Zhongtao ZHANG; and Xiang-Peng KONG**. Applicants submit, concurrently herewith, the following:

- 1) A statement from each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part;
- 2) An oath or declaration by each actual inventor;
- 3) The requisite fee under 37 C.F.R. 1.17(i); and
- 4) The written consent of the assignee of the original named inventors.

00000111 10049429

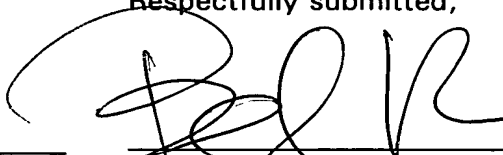
130.00 0P

Applicants respectfully request entry of the correction of inventorship. Should there be any deficiencies in or questions raised by the present filing, Applicants' undersigned representative can be reached by telephone to promptly address and resolve such issues.

Respectfully submitted,

2/14/03

Date



Beth A. Burrous
Attorney for Applicants
Registration No. 35,087

FOLEY & LARDNER
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

Telephone: (202) 672-5475

Facsimile: (202) 672-5399

Should additional fees be necessary in connection with the filing of this paper, or if a petition for extension of time is required for timely acceptance of same, the Commissioner is hereby authorized to charge Deposit Account No. 19-0741 for any such fees, and applicant(s) hereby petition for any needed extension of time.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph SCHLESSINGER et al.
Title: CRYSTAL STRUCTURES OF DOMAINS OF RECEPTOR
PROTEIN TYROSINE KINASES AND THEIR LIGANDS
Serial No.: 10/049,429
Filed: February 12, 2002
Examiner: Unassigned
Art Unit: Unassigned

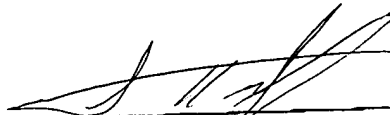
**STATEMENT SUPPORTING CORRECTION OF
INVENTORSHIP UNDER 37 CFR 1.48(a)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Alexander Plotnikov, request that I be added to the above-identified application as a named co-inventor. The requester hereby states that the error that caused the inventive entity to be set forth in error in the executed Declaration submitted pursuant to 37 CFR § 1.63 in the above-identified application arose without deceptive intent on my part.

01/28/03
Date


Alexander Plotnikov

**PLEASE SIGN
& DATE**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph SCHLESSINGER et al.
Title: CRYSTAL STRUCTURES OF DOMAINS OF RECEPTOR
PROTEIN TYROSINE KINASES AND THEIR LIGANDS
Serial No.: 10/049,429
Filed: February 12, 2002
Examiner: Unassigned
Art Unit: Unassigned

**STATEMENT SUPPORTING CORRECTION OF
INVENTORSHIP UNDER 37 CFR 1.48(a)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Zhongtao Zhang, request that I be added to the above-identified application as a named co-inventor. The requester hereby states that the error that caused the inventive entity to be set forth in error in the executed Declaration submitted pursuant to 37 CFR § 1.63 in the above-identified application arose without deceptive intent on my part.

2/12/03
Date


Zhongtao Zhang

PLEASE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joseph SCHLESSINGER et al.
Title: CRYSTAL STRUCTURES OF DOMAINS OF RECEPTOR
PROTEIN TYROSINE KINASES AND THEIR LIGANDS
Serial No.: 10/049,429
Filed: February 12, 2002
Examiner: Unassigned
Art Unit: Unassigned

**STATEMENT SUPPORTING CORRECTION OF
INVENTORSHIP UNDER 37 CFR 1.48(a)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Xiang-Peng Kong, request that I be added to the above-identified application as a named co-inventor. The requester hereby states that the error that caused the inventive entity to be set forth in error in the executed Declaration submitted pursuant to 37 CFR § 1.63 in the above-identified application arose without deceptive intent on my part.

1-29-03
Date


Xiang-Peng Kong

**PLEASE SIGN
& DATE**